

INTERNATIONAL SEARCH REPORT

IB2004/052499

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Y | WO 01/69575 A1 (PERCEPTION DIGITAL TECHNOLOGY LIMITED; TSUI, CHI-YING; SHI, BERTRAM;) 20 September 2001 (2001-09-20) abstract page 1, line 13 - line 14 page 2, line 1 - page 3, line 6 page 6, line 10 - page 7, line 11 page 9, line 5 - line 14 ----- -/-- | 1-12 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

17/02/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Y | <p>GOODWIN M M ET AL: "Audio segmentation by feature-space clustering using linear discriminant analysis and dynamic programming"</p> <p>APPLICATIONS OF SIGNAL PROCESSING TO AUDIO AND ACOUSTICS, 2003 IEEE WORKSHOP ON. NEW PALTZ, NY, USA OCT., 19-22, 2003, PISCATAWAY, NJ, USA, IEEE, 19 October 2003 (2003-10-19), pages 131-134, XP010696470</p> <p>ISBN: 0-7803-7850-4</p> <p>the whole document</p> | 1-12 |
| X | <p>-----</p> <p>E. CAMBOUROPOULOS: "The local boundary detection model and its application in the study of expressive timing"</p> <p>PROCEEDINGS OF THE INTERNATIONAL COMPUTER MUSIC CONFERENCE, 'Online! - 22 September 2001 (2001-09-22) XP002314627</p> <p>HAVANA, CUBA</p> <p>Retrieved from the Internet:</p> <p>URL: http://www.oefai.at/cgi-bin/get-tr?paper=oefai-tr-2001-11.pdf</p> <p>cited in the application</p> <p>the whole document</p> | 1-12 |
| X | <p>-----</p> <p>M FERRAND, P NELSON, G WIGGINS: "Memory and melodic density : a model for melody segmentation"</p> <p>PROCEEDINGS OF THE XIV COLLOQUIUM ON MUSICAL INFORMATICS, 'Online! - 10 May 2003 (2003-05-10) XP002314628</p> <p>FIRENZE, ITALY</p> <p>Retrieved from the Internet:</p> <p>URL: http://www.soi.city.ac.uk/{geraint/papers/cmi03.pdf</p> <p>cited in the application</p> <p>the whole document</p> | 1-12 |
| A | <p>-----</p> <p>JUNGMIN SONG ET AL: "Query by humming: matching humming query to polyphonic audio"</p> <p>IEEE,</p> <p>vol. 1, 26 August 2002 (2002-08-26), pages 329-332, XP010604373</p> <p>the whole document</p> | 1-12 |
| A | <p>-----</p> <p>US 2003/023421 A1 (FINN BENJAMIN J ET AL)</p> <p>30 January 2003 (2003-01-30)</p> <p>page 1</p> <p>page 68 - page 83</p> <p>-----</p> | 1-12 |

INTERNATIONAL SEARCH REPORT

IB2004/052499

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|-------------------------------------------|----|---------------------|----------------------------|--------------|---------------------|
| WO 0169575 | A1 | 20-09-2001 | AU | 5290001 A | 24-09-2001 |
| US 2003023421 | A1 | 30-01-2003 | AU | 6456800 A | 05-03-2001 |
| | | | EP | 1397756 A2 | 17-03-2004 |
| | | | WO | 0111496 A2 | 15-02-2001 |
| | | | JP | 2003529091 T | 30-09-2003 |

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